QC ABSTRACT

NAME OF WORK: Construction of RCC Drain At Doddabommasandra main road from Nanjappa Circle to Petrol Bunk in Ward No 10 (Doddabommasandra)

SL NO	Item Of Work	Name of Test	Frequency of Test/Quantity	Executed Quantity	Number of Tests Required	Number of Tests Conducted
		Materials				
1	Cement	Fineness by dry sieving	One Test		1	1
		Finess by Air permeablity method	One Test		1	1
		Density	One Test		1	1
		Standard Consistency	One Test		1	1
		Initial Setting time	One Test		1	1
		Final Setting time	One Test		1	1
		Soundness (Le Chatelier's Method)	One Test		1	1
		Compressive Strength	One Test		1	1
2	Coarse aggregate(40 mm down size)	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
3	Coarse aggregate(20 mm down size)	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
		Aggregate crushing Value	One Test		1	1
		Aggregate Impact Value	One Test		1	1
4	Fine aggregate	SIEVE ANALYSIS	One Test		1	1
		Water Absorption	One Test		1	1
		Specific Gravity	One Test		1	1
		Material finer than 75 micron	One Test		1	1
5	Steel	Bend test	One Test		1	1
		Tensile Test	One Test		1	1
		Yield Test	One Test		1	1
		ReBend test	One Test		1	1
6	PCC(M15)	Compressive Strength(7days & 28days)	7 set /1-5 cum	189.24	14	14
7	RMC(M20)	Compressive Strength(7days & 28days)	7 set /31-100 cum	151.2	14	14
8	PCC(M20)	Compressive Strength(7days & 28days)	3 set /16-30 cum	16.96	6	6
9	Mortar Sand	Water Absorption	One Test		1	1
		Specific Gravity	One Test		1	1
		Material finer than 75 micron	One Test		1	1
		Compacted Bulk Density	One Test		1	1
		Loose Bulk Density	One Test		1	1
		SIEVE ANALYSIS	One Test		1	1

Sunitha.N.L
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ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

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TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2022-04-23-25** **Date: 24-02-22**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP,
Address	:	Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC Drain At Doddabommasandra main road from Nanjappa Circle to Petrol Bunk in Ward No.10 (Doddabommasandra)
Agency	:	Sri.K.B Alankar H.No:12, MSV. Network Road, Near Shoba Apartment, Amruthahalli, Sahakarnagara, Post, Bangalore-560092.
Customer's Reference	:	BBMP/EE/BTP/WO/199/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	21-02-22
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 (Part 1,2 3,4,5, 6,11):1988 IS 4031 Part 1 (RA 2021) DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4 IS 4031 Part 2, (RA 2018) Determination of Fineness by Blaine Air Permeability Method, Clause 5 IS 4031 Part 3, (RA 2019) Determination of Soundness, Clause 5, Clause 6 IS 4031 Part 4, (RA 2019) Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 5, (RA 2019) Determination of Initial & Final Setting Time, Clause 5 IS 4031 Part 11, (RA 2019)DETERMINATION OF DENSITY , Clause 6
Date of test	:	22-02-22
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	2.1	–
2	Finess by Air permeablity method (m^2/kg,Min)	299.4	225m^2/kg, Min
3	Density (gm/cc)	3.13	–
4	Standard Consistency (%)	28	Not specified
5	Initial Setting time	160 minutes	Not less than 30 minutes
6	Final Setting time	250 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	1.0 mm	Not more than 10 mm

* The results obtained are satisfactory as per standard requirements.

Note:

The results pertain to the samples received and tested.

All information furnished by Customer/Representative

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M : 9972924526 | Tel : 91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2022-04-23-25** **Date: 22-03-22**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address	:	Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC Drain At Doddabommasandra main road from Nanjappa Circle to Petrol Bunk in Ward No.10 (Doddabommasandra)
Agency	:	Sri.K.B Alankar H.No:12, MSV. Network Road, Near Shoba Apartment, Amruthahalli, Sahakarnagara, Post, Bangalore-560092.
Customer's Reference	:	BBMP/EE/BTP/WO/199/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	21-02-22
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 Part 4, (RA 2019) Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 6, (RA 2019) Determination of Compressive Strength, Clause 6
Date of test	:	22-02-22
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

Compressive Strength			
Sl.No.	**Physical properties**	**Results**	**Requirement as per IS 12269: 2013**
1	3 Days	28.0N/mm^2	Not less than 27 N/mm^2
2	7 Days	39.5N/mm^2	Not less than 37 N/mm^2
3	28 Days	54.5N/mm^2	Not less than 53 N/mm^2

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Bruhath Bengaluru Mahanagara Palike

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TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2022-04-23-25** **Date: 24-02-22**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address	:	Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC Drain At Doddabommasandra main road from Nanjappa Circle to Petrol Bunk in Ward No.10 (Doddabommasandra)
Agency	:	Sri.K.B Alankar H.No:12, MSV. Network Road, Near Shoba Apartment, Amruthahalli, Sahakarnagara, Post, Bangalore-560092.
Customer's Reference	:	BBMP/EE/BTP/WO/199/2020-21
Source of Sample	:	Sample supplied by Agency
Sample condition	:	Satisfactory
Date of Receipt	:	21-02-22
Sample Type	:	40mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2021 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	22-02-22

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 40MM DOWN COARSE AGGREGATE:

Total weight taken : 15000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	80 mm	0	0	0.0	100	100
2	40 mm	355	355	2.4	97.6	90-100
3	20 mm	7102	7457	49.7	50.3	30-70
4	10 mm	4989	12446	83.0	17.0	10-35
5	4.75 mm	2218	14664	97.8	2.2	0-5
6	Pan	336	15000	100.0	0	---

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TEST REPORT ON COARSE AGGREGATES

Lab ID : **CP-2022-04-23-25** **Date: 24-02-22**

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	14.1	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	10.9	
3	Specific Gravity	2.64	_
4	Bulk Density(Loose) (Kg/l)	1.38	_
5	Bulk Density(Compacted) (Kg/l)	1.45	_
6	Water Absorption(%)	0.25	_

* The results obtained are satisfactory as per standard requirements.

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Technical Manager

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TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2022-04-23-25** **Date: 24-02-22**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address	:	Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC Drain At Doddabommasandra main road from Nanjappa Circle to Petrol Bunk in Ward No.10 (Doddabommasandra)
Agency	:	Sri.K.B Alankar H.No:12, MSV. Network Road, Near Shoba Apartment, Amruthahalli, Sahakarnagara, Post, Bangalore-560092.
Customer Reference	:	BBMP/EE/BTP/WO/199/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	21-02-22
Sample Type/ Size	:	20mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2021 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	22-02-22

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken : 5000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	40 mm	0	0	0	100	100
2	20 mm	310	310	6.2	93.8	90-100
3	10 mm	3042	3352	67.0	33.0	25-55
4	4.75 mm	1515	4867	97.3	2.7	0-10
5	Pan	133	5000	100	0	_

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TEST REPORT ON COARSE AGGREGATES

Lab ID : **CP-2022-04-23-25** **Date: 24-02-22**

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	13.7	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	12.5	
3	Specific Gravity	2.62	_
4	Bulk Density(Loose) (Kg/l)	1.41	_
5	Bulk Density(Compacted) (Kg/l)	1.48	_
6	Water Absorption(%)	0.29	_
7	Aggregate crushing Value(%)	23.5	Max 30% for Aggregates to be used in concrete for wearing Surface, In case Aggregate Crushing Value Exceeds 30% then the test for ten percent fines should be conducted for Aggregates to be used in concrete other than for wearing Surface.
8	Aggregate Impact Value(%)	21.4	30% for Aggregates to be used in concrete for wearing Surface, 45% for Aggregates to be used in concrete other than for wearing Surface.

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TEST REPORT OF FINE AGGREGATE

Lab ID	:	**CP-2022-04-23-25** **Date: 24-02-22**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address	:	Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC Drain At Doddabommasandra main road from Nanjappa Circle to Petrol Bunk in Ward No.10 (Doddabommasandra)
Agency	:	Sri.K.B Alankar H.No:12, MSV. Network Road, Near Shoba Apartment, Amruthahalli, Sahakarnagara, Post, Bangalore-560092.
Customer's Reference	:	BBMP/EE/BTP/WO/199/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	21-02-22
Sample Type	:	Fine Aggregate
Reference to BIS codes	:	IS 383 : 2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1, 3) RA2021 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption
Date of test	:	22-02-22
Total weight taken	:	1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0.0	100.0	100	100	100	100
2	4.75 mm	22	22	2.2	97.8	90-100	90-100	90-100	95-100
3	2.36 mm	55	77	7.7	92.3	60-95	75-100	85-100	95-100
4	1.18 mm	239	316	31.6	68.4	30-70	55-90	75-100	90-100
5	600 micron	205	521	52.1	47.9	15-34	35-59	60-79	80-100
6	300 micron	203	724	72.4	27.6	5-20	8-30	12-40	15-50
7	150 micron	191	915	91.5	8.5	0-10	0-10	0-10	0-15
8	Pan	85	1000	100.0	0.0	---	---	---	---

Result :The tested Sample Conforms to Grading Zone II

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TEST REPORT OF FINE AGGREGATE

Lab ID : **CP-2022-04-23-25** **Date: 24-02-22**

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	1.22	_
2	Specific Gravity	2.52	_
3	Material finer than 75 micron(%)	9.1	Uncrushed fine Aggregate Max 3%, Crushed Fine aggregate Max 15%, Mixed Fine aggregate Max 12%, Manufactured Fine aggregate Max 10%

* The results obtained are satisfactory as per standard requirements.

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Bruhath Bengaluru Mahanagara Palike

Format No: CP/TF/2017

TEST REPORT FOR SAND MASONRY MORTARS

Lab ID	:	**CP-2022-04-23-25** **Date: 02-03-22**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address	:	Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC Drain At Doddabommasandra main road from Nanjappa Circle to Petrol Bunk in Ward No.10 (Doddabommasandra)
Agency	:	Sri.K.B Alankar H.No:12, MSV. Network Road, Near Shoba Apartment, Amruthahalli, Sahakarnagara, Post, Bangalore-560092.
Customer's Reference	:	BBMP/EE/BTP/WO/199/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	26-02-22
Sample Type	:	Fine Aggregate, M.Sand for Mortar
Reference to BIS codes	:	IS 383 : 2016 (Specification for Coarse and fine Aggregates) IS: 2116-1980 (RA-2007) (Specification for Sand for Masonry Mortars) IS: 2386 :1963(Part - 1, 3) RA2021 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption
Date of test	:	26-02-22
Total weight taken	:	1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS: 2116-1980 (RA-2007)
1	4.75 mm	0	0	0	100	100
2	2.36 mm	28	28	2.8	97.2	90-100
3	1.18 mm	262	290	29.0	71.0	70-100
4	600 micron	205	495	49.5	50.5	40-100
5	300 micron	288	783	78.3	21.7	5-70
6	150 micron	109	892	89.2	10.8	0-15
7	Pan	68	960	96.0	4.0	0

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TEST REPORT FOR SAND MASONRY MORTARS

Lab ID : **CP-2022-04-23-25** **Date: 02-03-22**

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	3.05	_
2	Specific Gravity	2.52	_
3	Material finer than 75 micron(%)	11.9	Crushed Fine aggregate Max 15%
4	Compacted Bulk Density (Kg/litre)	1.92	_
5	Loose Bulk Density (Kg/litre)	1.75	_

* The results obtained are satisfactory as per standard requirements.

Note:

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Technical Manager

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TEST RESULTS OF STEEL

Lab ID	:	**CP-2022-04-23-25** **Date: 24-02-22**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address	:	Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC Drain At Doddabommasandra main road from Nanjappa Circle to Petrol Bunk in Ward No.10 (Doddabommasandra)
Agency	:	Sri.K.B Alankar H.No:12, MSV. Network Road, Near Shoba Apartment, Amruthahalli, Sahakarnagara, Post, Bangalore-560092.
Customer's Reference	:	BBMP/EE/BTP/WO/199/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	21-02-22
Sample Type	:	Sunvik
Reference to BIS codes	:	IS 1786-2008, IS:1608-2005(RA 2011), IS 1599-2019.
Date of test	:	23-02-22

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample	Yield stress	Tensile strength	Elongation	Bend test	Rebend test
			(mm)	(kg/m)	(N/mm2)	(N/mm2)	(%)		
1	Sunvik	Fe500	8	0.392	521	648	20.0%	Satisfactory	Satisfactory
2	Sunvik	Fe500	10	0.615	544	673	20.0%	Satisfactory	Satisfactory
3	Sunvik	Fe500	12	0.886	567	682	20.0%	Satisfactory	Satisfactory

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Bruhath Bengaluru Mahanagara Palike

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-04-23-25** **Date: 10/03/2022**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Construction of RCC Drain At Doddabommasandra main road from Nanjappa Circle to Petrol Bunk in Ward No.10 (Doddabommasandra)

Agency : Sri.K.B Alankar H.No:12, MSV. Network Road, Near Shoba Apartment, Amruthahalli, Sahakarnagara, Post, Bangalore-560092.

Customer's Reference : BBMP/EE/BTP/WO/199/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 05-03-22

Customer ID : PCC

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M15 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 10/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M15	03/03/2022	10/03/2022	151.88 X 151.53 X 151.27	23014	8.536	288.8	12.5	12.3
2	PCC	M15	03/03/2022	10/03/2022	150.14 X 149.20 X 151.85	22402	8.317	276.5	12.3	
3	PCC	M15	03/03/2022	10/03/2022	151.35 X 150.98 X 150.85	22851	8.125	275.0	12.0	

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-04-23-25** **Date: 31/03/2022**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Construction of RCC Drain At Doddabommasandra main road from Nanjappa Circle to Petrol Bunk in Ward No.10 (Doddabommasandra)

Agency : Sri.K.B Alankar H.No:12, MSV. Network Road, Near Shoba Apartment, Amruthahalli, Sahakarnagara, Post, Bangalore-560092.

Customer's Reference : BBMP/EE/BTP/WO/199/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 05-03-22

Customer ID : PCC

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M15 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 31/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M15	03/03/2022	31/03/2022	149.45 X 151.74 X 151.99	22679	8.838	395.6	17.4	17.3
2	PCC	M15	03/03/2022	31/03/2022	150.80 X 151.45 X 149.44	22839	8.500	393.4	17.2	
3	PCC	M15	03/03/2022	31/03/2022	151.93 X 151.09 X 149.60	22956	8.874	392.6	17.1	

* The results obtained are satisfactory as per standard requirements.

Note:

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Samples will be disposed after 30 days from the date of issue of test certificate

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R RUDRAPRASAD
Authorized Signatory
Technical Manager

Smitha. N.L
AEE(W)

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

*** End of Report ***

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HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-04-23-25** **Date: 10/03/2022**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

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Customer's Reference : BBMP/EE/BTP/WO/199/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 05-03-22

Customer ID : PCC

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M15 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 10/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M15	03/03/2022	10/03/2022	151.92 X 151.83 X 150.04	23065	8.685	281.1	12.2	12.4
2	PCC	M15	03/03/2022	10/03/2022	150.95 X 149.67 X 149.51	22593	8.573	280.7	12.4	
3	PCC	M15	03/03/2022	10/03/2022	150.67 X 150.48 X 149.29	22673	8.139	283.9	12.5	

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Customer's Reference : BBMP/EE/BTP/WO/199/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 05-03-22

Customer ID : PCC

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M15 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 31/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M15	03/03/2022	31/03/2022	151.52 X 150.21 X 151.94	22760	8.631	398.4	17.5	17.4
2	PCC	M15	03/03/2022	31/03/2022	149.01 X 151.36 X 149.18	22555	8.183	388.6	17.2	
3	PCC	M15	03/03/2022	31/03/2022	150.47 X 151.63 X 149.31	22816	8.221	396.1	17.4	

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Suvitha .N.L
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Customer's Reference : BBMP/EE/BTP/WO/199/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 05-03-22

Customer ID : PCC

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M15 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 10/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M15	03/03/2022	10/03/2022	151.63 X 150.07 X 150.00	22756	8.279	280.8	12.3	12.2
2	PCC	M15	03/03/2022	10/03/2022	151.57 X 150.36 X 149.70	22790	8.488	274.8	12.1	
3	PCC	M15	03/03/2022	10/03/2022	151.64 X 149.72 X 150.48	22703	8.803	277.6	12.2	

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Bruhath Bengaluru Mahanagara Palike

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Customer's Reference : BBMP/EE/BTP/WO/199/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 05-03-22

Customer ID : PCC

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M15 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 31/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M15	03/03/2022	31/03/2022	151.25 X 150.70 X 151.58	22794	8.486	400.8	17.6	17.4
2	PCC	M15	03/03/2022	31/03/2022	149.59 X 149.74 X 151.36	22400	8.391	392.3	17.5	
3	PCC	M15	03/03/2022	31/03/2022	150.69 X 149.24 X 151.52	22489	8.845	382.9	17.0	

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Technical Manager

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Customer's Reference : BBMP/EE/BTP/WO/199/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 05-03-22

Customer ID : PCC

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M15 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 10/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M15	03/03/2022	10/03/2022	151.26 X 149.54 X 149.53	22620	8.615	290.0	12.8	12.6
2	PCC	M15	03/03/2022	10/03/2022	151.39 X 150.03 X 150.07	22714	8.284	283.8	12.5	
3	PCC	M15	03/03/2022	10/03/2022	150.61 X 150.70 X 150.55	22696	8.331	281.7	12.4	

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HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
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Customer's Reference : BBMP/EE/BTP/WO/199/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 05-03-22

Customer ID : PCC

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M15 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 31/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M15	03/03/2022	31/03/2022	151.68 X 151.95 X 150.37	23048	8.827	405.7	17.6	17.4
2	PCC	M15	03/03/2022	31/03/2022	151.26 X 149.33 X 150.69	22588	8.385	397.7	17.6	
3	PCC	M15	03/03/2022	31/03/2022	150.34 X 150.25 X 151.29	22587	8.176	385.0	17.0	

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R RUDRAPRASAD
Authorized Signatory
Technical Manager

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Source of Sample : Sample supplied by Agency

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Sample Type /Size : 150X150X150 mm

Sample grade/Age : M15 / 7 Days Compressive Strength

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Date of test : 10/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M15	03/03/2022	10/03/2022	150.71 X 151.12 X 149.33	22776	8.598	281.8	12.4	12.5
2	PCC	M15	03/03/2022	10/03/2022	150.98 X 151.62 X 150.44	22892	8.463	287.3	12.6	
3	PCC	M15	03/03/2022	10/03/2022	150.97 X 150.32 X 150.69	22695	8.352	286.2	12.6	

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Technical Manager

Smitha. N L
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Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 05-03-22

Customer ID : PCC

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M15 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 31/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M15	03/03/2022	31/03/2022	151.53 X 150.71 X 151.62	22837	8.914	410.6	18.0	17.6
2	PCC	M15	03/03/2022	31/03/2022	151.66 X 149.70 X 149.71	22704	8.204	387.7	17.1	
3	PCC	M15	03/03/2022	31/03/2022	150.26 X 150.27 X 149.58	22581	8.356	399.1	17.7	

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AE&10

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ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
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Customer's Reference : BBMP/EE/BTP/WO/199/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 05-03-22

Customer ID : PCC

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M15 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 10/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M15	03/03/2022	10/03/2022	149.35 X 151.82 X 149.29	22674	9.034	277.8	12.2	12.5
2	PCC	M15	03/03/2022	10/03/2022	149.01 X 151.40 X 150.60	22560	8.505	292.7	13.0	
3	PCC	M15	03/03/2022	10/03/2022	151.44 X 150.47 X 149.17	22787	8.691	282.5	12.4	

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South Bengaluru Mahanagara Palike

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Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address	:	Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC Drain At Doddabommasandra main road from Nanjappa Circle to Petrol Bunk in Ward No.10 (Doddabommasandra)
Agency	:	Sri.K.B Alankar H.No:12, MSV. Network Road, Near Shoba Apartment, Amruthahalli, Sahakarnagara, Post, Bangalore-560092.
Customer's Reference	:	BBMP/EE/BTP/WO/199/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	05-03-22
Customer ID	:	PCC
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M15 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	31/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M15	03/03/2022	31/03/2022	150.35 X 151.89 X 150.59	22837	8.891	406.1	17.8	17.6
2	PCC	M15	03/03/2022	31/03/2022	150.19 X 150.64 X 151.65	22624	8.590	389.7	17.2	
3	PCC	M15	03/03/2022	31/03/2022	150.39 X 149.05 X 150.10	22416	8.877	397.4	17.7	

* The results obtained are satisfactory as per standard requirements.

Note:

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All information furnished by Customer/Representative
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Samples will be disposed after 30 days from the date of issue of test certificate

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R RUDRAPRASAD
Authorized Signatory
Technical Manager

Sunitha.N.L
AE-L10

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

****End of Report****

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-04-23-25** **Date: 10/03/2022**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Construction of RCC Drain At Doddabommasandra main road from Nanjappa Circle to Petrol Bunk in Ward No.10 (Doddabommasandra)

Agency : Sri.K.B Alankar H.No:12, MSV. Network Road, Near Shoba Apartment, Amruthahalli, Sahakarnagara, Post, Bangalore-560092.

Customer's Reference : BBMP/EE/BTP/WO/199/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 05-03-22

Customer ID : PCC

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M15 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 10/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M15	03/03/2022	10/03/2022	151.28 X 149.79 X 150.32	22660	9.031	288.6	12.7	12.5
2	PCC	M15	03/03/2022	10/03/2022	150.39 X 151.44 X 151.42	22776	8.494	273.9	12.0	
3	PCC	M15	03/03/2022	10/03/2022	151.28 X 151.04 X 150.94	22849	8.925	292.1	12.8	

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R RUDRAPRASAD
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Technical Manager

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****End of Report****

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-04-23-25** **Date: 31/03/2022**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Construction of RCC Drain At Doddabommasandra main road from Nanjappa Circle to Petrol Bunk in Ward No.10 (Doddabommasandra)

Agency : Sri.K.B Alankar H.No:12, MSV. Network Road, Near Shoba Apartment, Amruthahalli, Sahakarnagara, Post, Bangalore-560092.

Customer's Reference : BBMP/EE/BTP/WO/199/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 05-03-22

Customer ID : PCC

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M15 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 31/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M15	03/03/2022	31/03/2022	150.05 X 151.69 X 149.78	22762	8.419	402.6	17.7	17.7
2	PCC	M15	03/03/2022	31/03/2022	150.53 X 149.88 X 149.18	22561	8.903	401.1	17.8	
3	PCC	M15	03/03/2022	31/03/2022	150.95 X 149.67 X 151.66	22593	8.813	400.3	17.7	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-04-23-25** **Date: 17/03/2022**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Construction of RCC Drain At Doddabommasandra main road from Nanjappa Circle to Petrol Bunk in Ward No.10 (Doddabommasandra)

Agency : Sri.K.B Alankar H.No:12, MSV. Network Road, Near Shoba Apartment, Amruthahalli, Sahakarnagara, Post, Bangalore-560092.

Customer's Reference : BBMP/EE/BTP/WO/199/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 12-03-22

Customer ID : RCC Drain

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 17/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	RCC Drain	M25	10/03/2022	17/03/2022	149.05 X 150.30 X 151.99	22402	8.716	520.0	23.2	22.8
2	RCC Drain	M25	10/03/2022	17/03/2022	149.08 X 149.60 X 151.37	22303	8.220	505.1	22.6	
3	RCC Drain	M25	10/03/2022	17/03/2022	149.95 X 151.31 X 150.95	22689	8.842	509.8	22.5	

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Authorized Signatory
Technical Manager

****End of Report****

Suvitha. N.L AE WD

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2022-04-23-25** **Date: 07/04/2022**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address	:	Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC Drain At Doddabommasandra main road from Nanjappa Circle to Petrol Bunk in Ward No.10 (Doddabommasandra)
Agency	:	Sri.K.B Alankar H.No:12, MSV. Network Road, Near Shoba Apartment, Amruthahalli, Sahakarnagara, Post, Bangalore-560092.
Customer's Reference	:	BBMP/EE/BTP/WO/199/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	12-03-22
Customer ID	:	RCC Drain
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	07/04/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	RCC Drain	M25	10/03/2022	07/04/2022	150.56 X 151.16 X 151.54	22758	8.419	633.6	27.8	27.7
2	RCC Drain	M25	10/03/2022	07/04/2022	149.98 X 150.23 X 151.17	22531	9.066	601.3	26.7	
3	RCC Drain	M25	10/03/2022	07/04/2022	150.74 X 149.24 X 151.86	22495	8.366	640.4	28.5	

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R RUDRAPRASAD
Authorized Signatory
Technical Manager

Page 1/1
*** End of Report ***

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Bruhath Bengaluru Mahanagara Palike

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-04-23-25** **Date: 17/03/2022**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Construction of RCC Drain At Doddabommasandra main road from Nanjappa Circle to Petrol Bunk in Ward No.10 (Doddabommasandra)

Agency : Sri.K.B Alankar H.No:12, MSV. Network Road, Near Shoba Apartment, Amruthahalli, Sahakarnagara, Post, Bangalore-560092.

Customer's Reference : BBMP/EE/BTP/WO/199/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 12-03-22

Customer ID : RCC Drain

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 17/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	RCC Drain	M25	10/03/2022	17/03/2022	151.32 X 150.86 X 149.11	22827	8.558	545.6	23.9	23.1
2	RCC Drain	M25	10/03/2022	17/03/2022	149.85 X 151.00 X 150.48	22627	8.878	520.3	23.0	
3	RCC Drain	M25	10/03/2022	17/03/2022	149.68 X 151.98 X 151.67	22747	8.128	509.8	22.4	

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R RUDRAPRASAD
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Technical Manager

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South Bengaluru Mahanagara

****End of Report****

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-04-23-25** **Date: 07/04/2022**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Construction of RCC Drain At Doddabommasandra main road from Nanjappa Circle to Petrol Bunk in Ward No.10 (Doddabommasandra)

Agency : Sri.K.B Alankar H.No:12, MSV. Network Road, Near Shoba Apartment, Amruthahalli, Sahakarnagara, Post, Bangalore-560092.

Customer's Reference : BBMP/EE/BTP/WO/199/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 12-03-22

Customer ID : RCC Drain

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 07/04/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	RCC Drain	M25	10/03/2022	07/04/2022	149.61 X 149.79 X 151.68	22410	8.947	616.1	27.5	27.5
2	RCC Drain	M25	10/03/2022	07/04/2022	151.16 X 150.84 X 149.38	22801	8.954	608.2	26.7	
3	RCC Drain	M25	10/03/2022	07/04/2022	151.63 X 150.56 X 151.30	22830	8.878	648.9	28.4	

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Smitha. N L
AGW10

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

CIVIL Pro Sig..... Date..... BANGALORE

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R RUDRAPRASAD
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Technical Manager

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2022-04-23-25** **Date: 17/03/2022**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address	:	Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC Drain At Doddabommasandra main road from Nanjappa Circle to Petrol Bunk in Ward No.10 (Doddabommasandra)
Agency	:	Sri.K.B Alankar H.No:12, MSV. Network Road, Near Shoba Apartment, Amruthahalli, Sahakarnagara, Post, Bangalore-560092.
Customer's Reference	:	BBMP/EE/BTP/WO/199/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	12-03-22
Customer ID	:	RCC Drain
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	17/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	RCC Drain	M25	10/03/2022	17/03/2022	149.25 X 149.11 X 149.27	22254	8.563	515.5	23.2	23.0
2	RCC Drain	M25	10/03/2022	17/03/2022	151.35 X 150.38 X 149.92	22761	8.277	522.1	22.9	
3	RCC Drain	M25	10/03/2022	17/03/2022	151.51 X 149.30 X 150.67	22621	9.054	515.5	22.8	

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Technical Manager

Suvitha .N.K
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Bruhath Bengaluru Mahanagara Palike

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2022-04-23-25** **Date: 07/04/2022**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address	:	Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC Drain At Doddabommasandra main road from Nanjappa Circle to Petrol Bunk in Ward No.10 (Doddabommasandra)
Agency	:	Sri.K.B Alankar H.No:12, MSV. Network Road, Near Shoba Apartment, Amruthahalli, Sahakarnagara, Post, Bangalore-560092.
Customer's Reference	:	BBMP/EE/BTP/WO/199/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	12-03-22
Customer ID	:	RCC Drain
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	07/04/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	RCC Drain	M25	10/03/2022	07/04/2022	149.34 X 151.54 X 149.89	22632	8.432	632.1	27.9	27.7
2	RCC Drain	M25	10/03/2022	07/04/2022	150.45 X 149.49 X 150.16	22491	8.662	601.6	26.7	
3	RCC Drain	M25	10/03/2022	07/04/2022	150.46 X 150.43 X 151.83	22635	8.654	643.5	28.4	

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R RUDRAPRASAD
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Technical Manager

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-04-23-25** **Date: 17/03/2022**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Construction of RCC Drain At Doddabommasandra main road from Nanjappa Circle to Petrol Bunk in Ward No.10 (Doddabommasandra)

Agency : Sri.K.B Alankar H.No:12, MSV. Network Road, Near Shoba Apartment, Amruthahalli, Sahakarnagara, Post, Bangalore-560092.

Customer's Reference : BBMP/EE/BTP/WO/199/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 12-03-22

Customer ID : RCC Drain

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 17/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	RCC Drain	M25	10/03/2022	17/03/2022	149.51 X 151.63 X 151.36	22670	8.523	524.9	23.2	22.5
2	RCC Drain	M25	10/03/2022	17/03/2022	151.04 X 151.13 X 149.20	22827	8.549	504.7	22.1	
3	RCC Drain	M25	10/03/2022	17/03/2022	151.97 X 150.63 X 151.21	22892	8.643	509.7	22.3	

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Technical Manager

Smitha. N K
AE Ward 10

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Bruhath Bengaluru Mahanagara ...

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2022-04-23-25** **Date: 07/04/2022**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address	:	Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC Drain At Doddabommasandra main road from Nanjappa Circle to Petrol Bunk in Ward No.10 (Doddabommasandra)
Agency	:	Sri.K.B Alankar H.No:12, MSV. Network Road, Near Shoba Apartment, Amruthahalli, Sahakarnagara, Post, Bangalore-560092.
Customer's Reference	:	BBMP/EE/BTP/WO/199/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	12-03-22
Customer ID	:	RCC Drain
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	07/04/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	RCC Drain	M25	10/03/2022	07/04/2022	149.55 X 150.10 X 149.37	22448	8.544	607.9	27.1	27.5
2	RCC Drain	M25	10/03/2022	07/04/2022	150.14 X 150.83 X 151.64	22644	8.769	602.7	26.6	
3	RCC Drain	M25	10/03/2022	07/04/2022	149.77 X 151.07 X 151.25	22626	8.289	651.3	28.8	

* The results obtained are satisfactory as per standard requirements.

Note:

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R RUDRAPRASAD
Authorized Signatory
Technical Manager

Smitha. N L
AE W10

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

****End of Report****

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-04-23-25** **Date: 19/03/2022**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Construction of RCC Drain At Doddabommasandra main road from Nanjappa Circle to Petrol Bunk in Ward No.10 (Doddabommasandra)

Agency : Sri.K.B Alankar H.No:12, MSV. Network Road, Near Shoba Apartment, Amruthahalli, Sahakarnagara, Post, Bangalore-560092.

Customer's Reference : BBMP/EE/BTP/WO/199/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 14-03-22

Customer ID : RCC Drain

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 19/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	RCC Drain	M25	12/03/2022	19/03/2022	149.76 X 150.16 X 150.94	22488	8.966	535.8	23.8	23.0
2	RCC Drain	M25	12/03/2022	19/03/2022	149.81 X 151.66 X 149.07	22721	8.464	508.0	22.4	
3	RCC Drain	M25	12/03/2022	19/03/2022	151.40 X 149.76 X 149.17	22673	8.418	517.1	22.8	

* The results obtained are satisfactory as per standard requirements.

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R RUDRAPRASAD
Authorized Signatory
Technical Manager

Smitha .N.L
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ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

****End of Report****

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-04-23-25** **Date: 09/04/2022**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Construction of RCC Drain At Doddabommasandra main road from Nanjappa Circle to Petrol Bunk in Ward No.10 (Doddabommasandra)

Agency : Sri.K.B Alankar H.No:12, MSV. Network Road, Near Shoba Apartment, Amruthahalli, Sahakarnagara, Post, Bangalore-560092.

Customer's Reference : BBMP/EE/BTP/WO/199/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 14-03-22

Customer ID : RCC Drain

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 09/04/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	RCC Drain	M25	12/03/2022	09/04/2022	150.73 X 149.73 X 150.24	22569	8.863	611.1	27.1	27.4
2	RCC Drain	M25	12/03/2022	09/04/2022	151.06 X 150.12 X 149.90	22677	8.306	601.6	26.5	
3	RCC Drain	M25	12/03/2022	09/04/2022	149.52 X 149.86 X 151.01	22407	8.611	643.9	28.7	

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R RUDRAPRASAD
Authorized Signatory
Technical Manager

Suvitha. N.L
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ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

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End of Report

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-04-23-25** **Date: 19/03/2022**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Construction of RCC Drain At Doddabommasandra main road from Nanjappa Circle to Petrol Bunk in Ward No.10 (Doddabommasandra)

Agency : Sri.K.B Alankar H.No:12, MSV. Network Road, Near Shoba Apartment, Amruthahalli, Sahakarnagara, Post, Bangalore-560092.

Customer's Reference : BBMP/EE/BTP/WO/199/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 14-03-22

Customer ID : RCC Drain

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 19/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	RCC Drain	M25	12/03/2022	19/03/2022	150.26 X 149.04 X 150.20	22395	8.513	519.4	23.2	22.5
2	RCC Drain	M25	12/03/2022	19/03/2022	150.59 X 149.37 X 151.68	22494	8.355	496.0	22.1	
3	RCC Drain	M25	12/03/2022	19/03/2022	150.32 X 151.18 X 149.53	22725	8.477	503.9	22.2	

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Authorized Signatory
Technical Manager

AEE/JD

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

****End of Report****

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2022-04-23-25** **Date: 09/04/2022**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address	:	Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC Drain At Doddabommasandra main road from Nanjappa Circle to Petrol Bunk in Ward No.10 (Doddabommasandra)
Agency	:	Sri.K.B Alankar H.No:12, MSV. Network Road, Near Shoba Apartment, Amruthahalli, Sahakarnagara, Post, Bangalore-560092.
Customer's Reference	:	BBMP/EE/BTP/WO/199/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	14-03-22
Customer ID	:	RCC Drain
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	09/04/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	RCC Drain	M25	12/03/2022	09/04/2022	151.44 X 151.26 X 150.74	22907	8.490	638.1	27.9	27.6
2	RCC Drain	M25	12/03/2022	09/04/2022	151.31 X 150.09 X 149.97	22709	8.490	606.6	26.7	
3	RCC Drain	M25	12/03/2022	09/04/2022	149.09 X 150.93 X 150.76	22502	8.453	638.3	28.4	

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R RUDRAPRASAD
Authorized Signatory
Technical Manager

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ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara

****End of Report****

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-04-23-25** **Date: 19/03/2022**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Construction of RCC Drain At Doddabommasandra main road from Nanjappa Circle to Petrol Bunk in Ward No.10 (Doddabommasandra)

Agency : Sri.K.B Alankar H.No:12, MSV. Network Road, Near Shoba Apartment, Amruthahalli, Sahakarnagara, Post, Bangalore-560092.

Customer's Reference : BBMP/EE/BTP/WO/199/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 14-03-22

Customer ID : RCC Drain

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 19/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	RCC Drain	M25	12/03/2022	19/03/2022	151.09 X 149.81 X 150.14	22635	9.002	540.2	23.9	22.9
2	RCC Drain	M25	12/03/2022	19/03/2022	150.18 X 150.02 X 150.59	22531	8.806	512.4	22.7	
3	RCC Drain	M25	12/03/2022	19/03/2022	149.24 X 150.88 X 150.64	22517	8.201	497.7	22.1	

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Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-04-23-25** **Date: 09/04/2022**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Construction of RCC Drain At Doddabommasandra main road from Nanjappa Circle to Petrol Bunk in Ward No.10 (Doddabommasandra)

Agency : Sri.K.B Alankar H.No:12, MSV. Network Road, Near Shoba Apartment, Amruthahalli, Sahakarnagara, Post, Bangalore-560092.

Customer's Reference : BBMP/EE/BTP/WO/199/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 14-03-22

Customer ID : RCC Drain

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 09/04/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	RCC Drain	M25	12/03/2022	09/04/2022	150.52 X 149.94 X 150.72	22570	8.142	631.0	28.0	27.9
2	RCC Drain	M25	12/03/2022	09/04/2022	151.09 X 149.32 X 151.33	22562	9.081	603.9	26.8	
3	RCC Drain	M25	12/03/2022	09/04/2022	151.19 X 149.24 X 149.42	22563	8.168	654.1	29.0	

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Authorized Signatory
Technical Manager

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
South Bengaluru Mahanagara Palike

Page 1/1
****End of Report****

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2022-04-23-25** **Date: 26/03/2022**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address	:	Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC Drain At Doddabommasandra main road from Nanjappa Circle to Petrol Bunk in Ward No.10 (Doddabommasandra)
Agency	:	Sri.K.B Alankar H.No:12, MSV. Network Road, Near Shoba Apartment, Amruthahalli, Sahakarnagara, Post, Bangalore-560092.
Customer's Reference	:	BBMP/EE/BTP/WO/199/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	21-03-22
Customer ID	:	PCC
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	26/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M20	19/03/2022	26/03/2022	151.45 X 150.74 X 151.64	22829	8.866	427.8	18.7	18.6
2	PCC	M20	19/03/2022	26/03/2022	149.16 X 149.49 X 149.34	22298	9.029	408.9	18.3	
3	PCC	M20	19/03/2022	26/03/2022	149.33 X 150.61 X 150.00	22489	8.317	419.4	18.7	

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R RUDRAPRASAD
Authorized Signatory
Technical Manager

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2022-04-23-25 **Date: 16/04/2022**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Construction of RCC Drain At Doddabommasandra main road from Nanjappa Circle to Petrol Bunk in Ward No.10 (Doddabommasandra)

Agency : Sri.K.B Alankar H.No:12, MSV. Network Road, Near Shoba Apartment, Amruthahalli, Sahakarnagara, Post, Bangalore-560092.

Customer's Reference : BBMP/EE/BTP/WO/199/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 21-03-22

Customer ID : PCC

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 16/04/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M20	19/03/2022	16/04/2022	151.54 X 151.19 X 150.26	22912	9.090	530.5	23.2	23.0
2	PCC	M20	19/03/2022	16/04/2022	149.31 X 149.56 X 150.28	22331	8.214	493.1	22.1	
3	PCC	M20	19/03/2022	16/04/2022	151.42 X 151.19 X 150.81	22892	8.928	546.4	23.9	

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R RUDRAPRASAD
Authorized Signatory
Technical Manager

Smitha. N.L
AE W10

ASSISTANT EXECUTIVE ENGINEER
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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-04-23-25** **Date: 26/03/2022**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Construction of RCC Drain At Doddabommasandra main road from Nanjappa Circle to Petrol Bunk in Ward No.10 (Doddabommasandra)

Agency : Sri.K.B Alankar H.No:12, MSV. Network Road, Near Shoba Apartment, Amruthahalli, Sahakarnagara, Post, Bangalore-560092.

Customer's Reference : BBMP/EE/BTP/WO/199/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 21-03-22

Customer ID : PCC

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 26/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M20	19/03/2022	26/03/2022	151.97 X 150.35 X 150.56	22849	8.926	424.8	18.6	18.7
2	PCC	M20	19/03/2022	26/03/2022	150.94 X 149.29 X 150.08	22533	8.755	420.8	18.7	
3	PCC	M20	19/03/2022	26/03/2022	151.88 X 149.17 X 151.89	22655	8.399	425.2	18.8	

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R RUDRAPRASAD
Authorized Signatory
Technical Manager

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****End of Report****

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-04-23-25** **Date: 16/04/2022**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Construction of RCC Drain At Doddabommasandra main road from Nanjappa Circle to Petrol Bunk in Ward No.10 (Doddabommasandra)

Agency : Sri.K.B Alankar H.No:12, MSV. Network Road, Near Shoba Apartment, Amruthahalli, Sahakarnagara, Post, Bangalore-560092.

Customer's Reference : BBMP/EE/BTP/WO/199/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 21-03-22

Customer ID : PCC

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 16/04/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M20	19/03/2022	16/04/2022	151.99 X 149.71 X 149.41	22754	8.417	530.6	23.3	23.2
2	PCC	M20	19/03/2022	16/04/2022	150.39 X 149.83 X 151.35	22533	8.418	509.7	22.6	
3	PCC	M20	19/03/2022	16/04/2022	149.87 X 151.78 X 151.23	22747	8.405	536.6	23.6	

* The results obtained are satisfactory as per standard requirements.

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 30 days from the date of issue of test certificate

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R RUDRAPRASAD
Authorized Signatory
Technical Manager

Suvitha. NK
AE W10

****End of Report****

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2022-04-23-25** **Date: 26/03/2022**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address	:	Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC Drain At Doddabommasandra main road from Nanjappa Circle to Petrol Bunk in Ward No.10 (Doddabommasandra)
Agency	:	Sri.K.B Alankar H.No:12, MSV. Network Road, Near Shoba Apartment, Amruthahalli, Sahakarnagara, Post, Bangalore-560092.
Customer's Reference	:	BBMP/EE/BTP/WO/199/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	21-03-22
Customer ID	:	PCC
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	26/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M20	19/03/2022	26/03/2022	151.53 X 151.60 X 151.50	22972	8.143	436.0	19.0	18.7
2	PCC	M20	19/03/2022	26/03/2022	149.66 X 149.40 X 151.77	22360	8.436	421.6	18.9	
3	PCC	M20	19/03/2022	26/03/2022	149.41 X 151.57 X 150.66	22645	8.544	413.5	18.3	

* The results obtained are satisfactory as per standard requirements.

Note:

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R RUDRAPRASAD
Authorized Signatory
Technical Manager

Suvitha. N L
AE W10

****End of Report****

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-04-23-25** **Date: 16/04/2022**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Construction of RCC Drain At Doddabommasandra main road from Nanjappa Circle to Petrol Bunk in Ward No.10 (Doddabommasandra)

Agency : Sri.K.B Alankar H.No:12, MSV. Network Road, Near Shoba Apartment, Amruthahalli, Sahakarnagara, Post, Bangalore-560092.

Customer's Reference : BBMP/EE/BTP/WO/199/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 21-03-22

Customer ID : PCC

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 16/04/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M20	19/03/2022	16/04/2022	151.81 X 150.99 X 150.51	22922	8.277	549.5	24.0	23.2
2	PCC	M20	19/03/2022	16/04/2022	150.68 X 151.92 X 150.72	22891	8.594	504.3	22.0	
3	PCC	M20	19/03/2022	16/04/2022	149.49 X 149.68 X 151.30	22375	8.256	525.9	23.5	

* The results obtained are satisfactory as per standard requirements.

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FOR CIVIL Pro.

R RUDRAPRASAD
Authorized Signatory
Technical Manager

Smitha. NL
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ASSISTANT EXECUTIVE ENGINEER
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Bruhath Bengaluru Mahanagara Palike

****End of Report****

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WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES